

Applicant: Garvan Institute of Medical Research
Title of Invention: NPY-Y7 Receptor Gene

Prior Application Number: PP 4385
Prior Application Filing Date: 1998-06-29

Number of SEQ ID NOs: 5

Software: PatentIn Ver. 2.1

SEQ ID NO: 1
Length: 14
Type: PRT
Organism: Artificial Sequence

Other Information: Description of Artificial Sequence: N-terminal consensus sequence

Sequence: 1
Met Xaa Xaa Met Xaa Glu Lys Trp Asp Xaa Asn Ser Ser Glu
1 5 10

SEQ ID NO: 2
Length: 408
Type: PRT
Organism: Homo sapiens

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Sequence: 2
Met Phe Ile Met Asn Glu Lys Trp Asp Thr Asn Ser Ser Glu Asn Trp
  1             5             10             15
His Pro Ile Trp Asn Val Asn Asp Thr Lys His His Leu Tyr Ser Asp
      20             25             30
Ile Asn Ile Thr Tyr Val Asn Tyr Tyr Leu His Gln Pro Gln Val Ala
      35             40             45
Ala Ile Phe Ile Ile Ser Tyr Phe Leu Ile Phe Phe Leu Cys Met Met

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50				55				60							
Gly	Asn	Thr	Val	Val	Cys	Phe	Ile	Val	Met	Arg	Asn	Lys	His	Met	His
65						70				75					80
Thr	Val	Thr	Asn	Leu	Phe	Ile	Leu	Asn	Leu	Ala	Ile	Ser	Asp	Leu	Leu
				85					90					95	
Val	Gly	Ile	Phe	Cys	Met	Pro	Ile	Thr	Leu	Leu	Asp	Asn	Ile	Ile	Ala
			100					105					110		
Gly	Trp	Pro	Phe	Gly	Asn	Thr	Met	Cys	Lys	Ile	Ser	Gly	Leu	Val	Gln
		115					120					125			
Gly	Ile	Ser	Val	Ala	Ala	Ser	Val	Phe	Thr	Leu	Val	Ala	Ile	Ala	Val
	130					135					140				
Asp	Arg	Phe	Gln	Cys	Val	Val	Tyr	Pro	Phe	Lys	Pro	Lys	Leu	Thr	Ile
145					150					155					160
Lys	Thr	Ala	Phe	Val	Ile	Ile	Met	Ile	Ile	Trp	Val	Leu	Ala	Ile	Thr
			165						170					175	
Ile	Met	Ser	Pro	Ser	Ala	Val	Met	Leu	His	Val	Gln	Glu	Glu	Lys	Tyr
		180						185					190		
Tyr	Arg	Val	Arg	Leu	Asn	Ser	Gln	Asn	Lys	Thr	Ser	Pro	Val	Tyr	Trp
	195						200					205			
Cys	Arg	Glu	Asp	Trp	Pro	Asn	Gln	Glu	Met	Arg	Lys	Ile	Tyr	Thr	Thr
	210					215					220				
Val	Leu	Phe	Ala	Asn	Ile	Tyr	Leu	Ala	Pro	Leu	Ser	Leu	Ile	Val	Ile
225					230					235					240
Met	Tyr	Gly	Arg	Ile	Gly	Ile	Ser	Leu	Phe	Arg	Ala	Ala	Val	Pro	His
			245						250					255	
Thr	Gly	Arg	Lys	Asn	Gln	Glu	Gln	Trp	His	Val	Val	Ser	Arg	Lys	Lys
		260						265					270		
Gln	Lys	Ile	Ile	Lys	Met	Leu	Leu	Ile	Val	Ala	Leu	Leu	Phe	Ile	Leu
	275					280						285			
Ser	Trp	Leu	Pro	Leu	Trp	Thr	Leu	Met	Met	Leu	Ser	Asp	Tyr	Ala	Asp
	290					295					300				
Leu	Ser	Pro	Asn	Glu	Leu	Gln	Ile	Ile	Asn	Ile	Tyr	Ile	Tyr	Pro	Phe
305					310					315					320
Ala	His	Trp	Leu	Ala	Phe	Gly	Asn	Ser	Ser	Val	Asn	Pro	Ile	Ile	Tyr
			325						330				335		
Gly	Phe	Phe	Asn	Glu	Asn	Phe	Arg	Arg	Gly	Phe	Gln	Glu	Ala	Phe	Gln
		340						345				350			
Leu	Gln	Leu	Cys	Gln	Lys	Arg	Ala	Lys	Pro	Met	Glu	Ala	Tyr	Thr	Leu
	355						360					365			

Lys Ala Lys Ser His Val Leu Ile Asn Thr Ser Asn Gln Leu Val Gln
370 375 380
Glu Ser Thr Phe Gln Asn Pro His Gly Glu Thr Leu Leu Tyr Arg Lys
385 390 395 400
Ser Ala Glu Asn Pro Asn Arg Asn
405

SEQ ID NO: 3
Length: 405
Type: PRT
Organism: Mus musculus

Sequence: 3

Met	Ser	Thr	Met	Ser	Glu	Lys	Trp	Asp	Ser	Asn	Ser	Ser	Glu	Ser	Trp
1				5					10					15	
Asn	His	Ile	Trp	Ser	Gly	Asn	Asp	Thr	Gln	His	His	Trp	Tyr	Ser	Asp
			20					25					30		
Ile	Asn	Ile	Thr	Tyr	Val	Asn	Tyr	Tyr	Leu	His	Gln	Pro	Gln	Val	Ala
		35					40					45			
Ala	Val	Phe	Ile	Ser	Ser	Tyr	Leu	Leu	Ile	Phe	Val	Leu	Cys	Met	Val
		50				55					60				
Gly	Asn	Thr	Val	Val	Cys	Phe	Ile	Val	Ile	Arg	Asn	Arg	His	Met	His
65					70					75					80
Thr	Val	Thr	Asn	Phe	Leu	Ile	Leu	Asn	Leu	Ala	Ile	Ser	Asp	Leu	Leu
				85					90					95	
Val	Gly	Ile	Phe	Cys	Met	Pro	Ile	Thr	Leu	Leu	Asp	Asn	Ile	Ile	Ala
			100					105					110		
Gly	Trp	Pro	Phe	Gly	Ser	Ser	Met	Cys	Lys	Ile	Ser	Gly	Leu	Val	Gln
		115					120					125			
Gly	Ile	Ser	Val	Ala	Ala	Ser	Val	Phe	Thr	Leu	Val	Ala	Ile	Ala	Val
		130				135					140				
Asp	Arg	Phe	Arg	Cys	Val	Val	Tyr	Pro	Phe	Lys	Pro	Lys	Leu	Thr	Val
145				150						155					160
Lys	Thr	Ala	Phe	Val	Thr	Ile	Val	Ile	Ile	Trp	Gly	Leu	Ala	Ile	Ala
			165					170						175	
Ile	Met	Thr	Pro	Ser	Ala	Ile	Met	Leu	His	Val	Gln	Glu	Glu	Lys	Tyr
			180					185					190		
Tyr	Arg	Val	Arg	Leu	Ser	Ser	His	Asn	Lys	Thr	Ser	Thr	Val	Tyr	Trp

SEQ ID NO: 4
Length: 1903
Type: DNA
Organism: Homo sapiens

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cacgcctggc taattttttt gtatttttag tagggacggc gtttcactgt gttagccaga 120
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caggcgtgag accgcgcccg gccaatattcc tttcttagtt gcctctgccc acctcttctc 240
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gacatacaag aaacatcaaa aagattgaat gtcttaataa gagtgaagca tgtagatcag 360
tgactgctat gttcatcatg aatgagaaat gggacacaaa ctcttcagaa aactggcatc 420
ccatctggaa tgtcaatgac acaaagcatc atctgtactc agatattaat attacctatg 480
tgaactacta tcttcaccag cctcaagtgg cagcaatctt cattatttcc tactttctga 540
tcttcttttt gtgcatgatg ggaaatactg tggtttgctt tattgtaatg aggaacaaac 600
atatgcacac agtcactaat ctcttcacatc taaacctggc cataagtgat ttactagttg 660
gcatattctg catgcctata aactgctgg acaatattat agcaggatgg ccatttgga 720
acacgatgtg caagatcagt ggattgggcc agggaaatc tgtcgcagct tcagtcttta 780
cgtaggttgc aattgctgta gataggttcc agtgtgtggt ctaccctttt aaaccaaagc 840
tcactatcaa gacagcgttt gtcattatta tgatcatctg ggtcctagcc atcaccatta 900
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taaaacattt actgaaagcc ctctctggca aaaaaattaa aaataaaca aaatgggtcat 1800
aagatcataa acaatcttat gttgtataaa aatacgtaga gtgacttaga catgtttgca 1860
tgaataaata tatttctaga gaacagttaa aaaaaaaaaa aaa 1903

SEQ ID NO: 5

Length: 1228

Type: DNA

Organism: Mus musculus

005021 88057650

Sequence: 5

atgtccacca tgaagcagaa atgggactca aactcttcag aaagctggaa tcacatctgg 60
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tatctccacc agccccaagt ggcagctgtc ttcacagct cctacctct gatctttgtc 180
ttgtgcatgg tgggaaatac tgtcgtttgc tttattgtga taaggaatag acacatgcac 240
acagtcaacta atttcttgat cttaaaccct gccataagt atttactggt tggaatatc 300
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